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Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 32650 7590 08/08/2005 WOODCOCK WASHBURN LLP Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. ONE LIBERTY PLACE - 46TH FLOOR PHILADELPHIA, PA 19103 (Depositor's name) 11/07/2005 GWORDBF2 00000008 09965551 Express Mail - EV 631243202US November 2, 2005 (Signature 1400.00 OP 01 FC:1501 300.00 DP (Date 02 FC:1504 FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE 09/27/2001 ISIS-4847 3873 09/965,551 Muthiah Manoharan TITLE OF INVENTION: CARBOHYDRATE OR 2'-MODIFIED OLIGONUCLEOTIDES HAVING ALTERNATING INTERNUCLEOSIDE LINKAGES PUBLICATION FEE TOTAL FEE(S) DUE DATE DUE SMALL ENTITY **ISSUE FEE** APPLN. TYPE 11/08/2005 YES \$700 \$300 \$1000 nonprovisional **EXAMINER** ART UNIT CLASS-SUBCLASS SCHULTZ, JAMES 1635 514-044000 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list ISIS:Patent Department (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Woodcock Washburn LLP (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) ISIS Pharmaceuticals, Inc. Carlsbad, California Individual Corporation or other private group entity Government Please check the appropriate assignee category or categories (will not be printed on the patent): 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): Issue Fee A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Advance Order - # of Copies 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ■ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

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